



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

RBWSTI3327-1
Job Sheet 177853



Part No: RBWSTI3327-1

Job Qty: 6 ea

Part Name: Wrench



Part Weight: 0 lbs

Status: Scheduled

Priority: High

Job Created: 5/18/18

Job Tracking No:

Created By: Logan David

Due Date: 6/18/18

Description:

Type: SOLD

Note: DWG RBWSTI3327 Rev. 1 IPP Rev. A 18.05.16 new issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	6 Ea	6/18/18	6/18/18	0.00	0.00	Start Up Machining-2		
110	Mill Conv	6 pcs	6/18/18	6/18/18	0.00	1.50	Mill Conv 2		
120	QC	6 pcs	6/18/18	6/18/18	0.00	0.00	QC2 Machining-4		
130	QC	6 pcs	6/18/18	6/18/18	0.00	0.00	QC8 Machining-4		
140	HandFinish	6 pcs	6/18/18	6/18/18	0.00	0.60	HandFinish7		
150	Outsource	6 pcs	6/18/18	6/18/18	0.00	0.00	Outsource13		
190	Packaging	6 pcs	6/18/18	6/18/18	0.00	0.00	Packaging2		
200	QC	6 pcs	6/18/18	6/18/18	0.00	0.00	QC6		
210	Packaging	6 pcs	6/18/18	6/18/18	0.00	0.00	Packaging3-2		
220	QC21-SA	6 Ea	6/18/18	6/18/18	0.00	0.00	QC21		

Part Op 110 - 1-Machine as per DWG. 2-Remove factory markings (7/8) as per DWG note 3. SNAP ON can stay*** 3-Deburr
Descriptions: 130 - 1-Engrave 23mm. using MARKTRONIC engraver Arial text height .25 as per DWG. note 2. 2-***NOTE*** heat treat not required as the wrench is already hardened.

~~140 - Bead blast remove chrome.~~

150 - Issue P/O to GROUPE ALTECH: P/O 040362 Zinc plate, ASTM B633 TYPE 2 SC2 -Color BLACK - Certificate of Conformity is required

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
VS28B	Wrench	6 Ea (1 ea)	90-Start up Operation	5076579

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	VS28B	6	7	0

Part Specifications

Specifications could not be found.

Plex 6/7/18 3:59 PM dart.logan.david

23mm

size
0.194

⑥
F

X
3.065"

Y
2.645"

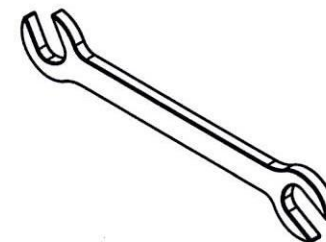
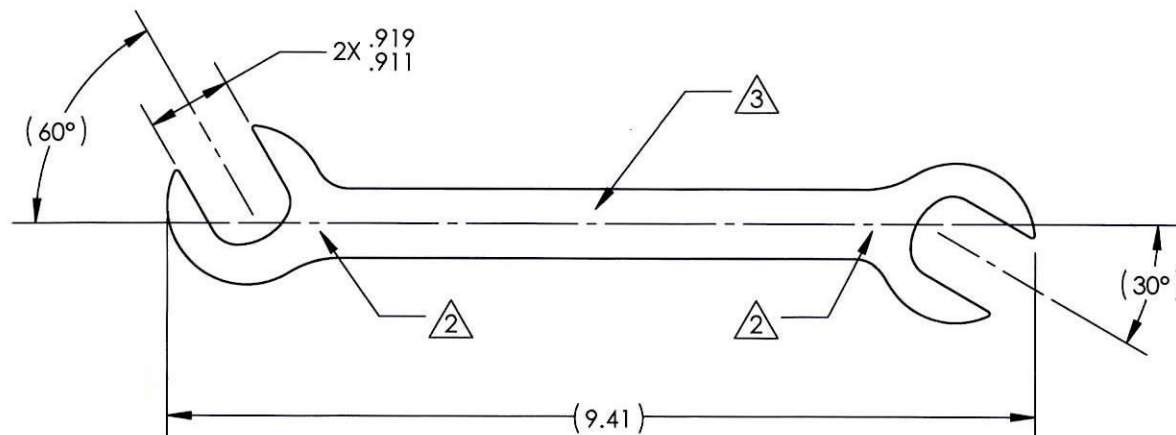
fix 9 dot
repeat = ③

$\bar{Z} = 0.500$

length = 0.450

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



NOTE:

1. USE PDF FOR ENGRAVING.
2. ENGRAVE 23MM ARIAL TEXT HT. .25
3. REMOVE ALL FACTORY MARKINGS.



TITLE
TOOL KIT, SPECIAL WRENCHES

DWG NO.		RBWSTI3327-1		REV	1
MAT'L STEEL		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
HEAT TREAT RC 40-50		.XXX ± .005 FRACTIONS ± 1/8			
FINISH ZINC PLATE		.XX ± .01 ANGLES ± 5°			
SPEC ASTM B633 TYPE I SC 2		.X ± .1 SURFACES = 125/√			
DRAWN BY: RJC 05/09/2017		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R			
CHECKED: DD 05/09/2017		2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
OPPS APPR: AA 05/10/2017		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009			
QA APPR: JL 05/24/2017		USED ON MODEL			
APPROVED: JAG 06/01/2017		AW139			
SCALE 1:2		DATE 5/9/2017		SHEET 2 OF 2	

(-1)

WRENCH

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION	AGAINST DEPARTMENT/PROCESS					
	Rework ☐	Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐		
	Scrap ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐		
	Use-as-is ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐		
	Suspected Unapproved ☐	Large Fab ☐	Composite ☐	Supplier ☐			

Date : _____	Step #: _____	QTY Effective : _____	MRB (QSI042) Approval _____
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Description Work Order Deviation _____

 Container No: S082243 Part: RBWST13327 - 1 Job No: 177853 Serial No/Batch: S082243 Revision: 1 Inspector: _____ Exp Date: _____ Instructions: _____	Completed By _____
	Ind / Supervisor _____
	Val Verification _____
	IA Coordinator Approval _____

Root Cause			
Environment ☐	No Re-verification ☐	Pressure/F ☐	oned Wrong ☐
Design ☐	Operator ☐	Bending ☐	le Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not ☐	Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	ncorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink ☐	ost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Out of Sequence ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Off-set ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Mislabeled ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Fit/Function ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Misaligned/off center ☐
Past Expiry Date ☐	Manufacturing Process ☐		Part Moved ☐
Misidentified ☐	Past Due ☐	OTHER : _____	Drawing ☐
			Finish ☐
			Misread ☐
			Turning Sequence ☐



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO040362

Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

PO No: PO040362

PO Date: 6/28/18

Due Date: 7/5/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	177853	RBWSTI3327-1	Wrench -Issue P/O to GROUPE ALTECH: P/O -Zinc plate, ASTM B633 TYPE 2 SC2 -Color BLACK -Certificate of Conformity is required	Firmed	7/5/18	5 pcs	0 pcs	5 pcs	\$30.00/pcs	\$150.00

DAS
38
9-89

5x 4/2/18.07.10.

Line Item Note ** RUSH - need back asap (before the 4th would be ideal) ***

2	173265	RB6899965	Fixture-Combustion Liner Positioning -Issue P/O to Groupe Altech; PO -Black oxide finish, MIL-C-13924C Class 1 -Certificate of Conformity is required	Firmed	7/5/18	10 pcs	0 pcs	10 pcs	\$12.00/pcs	\$120.00
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JUL 05 2018

SP

Grand Total: \$270.00

Order Notes

CT



Certificat de Conformité / Certificate of Compliance

(010694-2)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

010694 - 2

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.		Bon de commande Client Customer Purchase Order No.			
09-Jul-2018		Aman			040362			
#Ligne Line#	No. de Série / # Pièce Part Number /Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order
1	RBWSTI3327-1 Rev.	RBWSTI3327-1 01 -ZINC BLACK [ZINC BLACK] ASTM B633 TYPE 2 SC2	ZINC CH	5	5 ✓	0	0	0 DAS 38 9-89

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.